

CITY OF NEWPORT BEACH PUBLIC WORKS DEPARTMENT

TITLE: **Corona Del Mar Transmission Pipeline Improvements**

CONTRACT NO.: **4603**
ENGINEER'S ESTIMATE: **\$4,373,000.00**
PROJECT MANAGER: **Patrick Arciniega**

BID LOCATION: **City Clerk's Office - City Hall**

DATE: **10-Jan-13** TIME: **10:00 A.M.**
BY: **Patrick A.** CHECKED: **Patrick A.** DATE: **10-Jan-13**

				Engineer's Estimate		TE Roberts Inc.		Vido Artokovich & Son, Inc.		CCL Contracting Inc.	
ITEM	DESCRIPTION	QUANTITY		UNIT	AMOUNT	UNIT	AMOUNT	UNIT	AMOUNT	UNIT	AMOUNT
1	Mobilization and Demobilization,	1	LS	\$212,373	\$212,373	\$75,000.00	\$75,000.00	\$250,000.00	\$250,000.00	\$235,000.00	\$235,000.00
2	Traffic Control	1	LS	\$128,000	\$128,000	\$25,000.00	\$25,000.00	\$75,000.00	\$75,000.00	\$47,800.00	\$47,800.00
3	Excavation Safety	1	LS	\$102,000	\$102,000	\$9,000.00	\$9,000.00	\$100,000.00	\$100,000.00	\$11,000.00	\$11,000.00
4	Replace Traffic Loops Damaged by Const.	40	EA	\$300	\$12,000	\$400.00	\$16,000.00	\$500.00	\$20,000.00	\$350.00	\$14,000.00
5	Traffic Striping	1	LS	\$25,000	\$25,000	\$22,000.00	\$22,000.00	\$50,000.00	\$50,000.00	\$15,000.00	\$15,000.00
6	Surveying Services	1	LS	\$15,000	\$15,000	\$13,000.00	\$13,000.00	\$12,500.00	\$12,500.00	\$13,200.00	\$13,200.00
7	Provide As-Built Plans	1	LS	\$10,000	\$10,000	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00
	PIPELINE ITEMS										
8	30-inch CML&TW Steel Pipe	5300	LF	\$300	\$1,590,000	\$380.00	\$2,014,000.00	\$400.00	\$2,120,000.00	\$435.00	\$2,305,500.00
9	24-inch CML&TW Steel Pipe	2610	LF	\$280	\$730,800	\$340.00	\$887,400.00	\$385.00	\$1,004,850.00	\$333.00	\$869,130.00
10	18-inch CML&TW Steel Pipe	60	LF	\$230	\$13,800	\$580.00	\$34,800.00	\$325.00	\$19,500.00	\$500.00	\$30,000.00
11	16-inch CML&TW Steel Pipe	490	LF	\$220	\$107,800	\$400.00	\$196,000.00	\$300.00	\$147,000.00	\$385.00	\$188,650.00
12	16-Inch CML & Epoxy Coated Steel Pipe (In Vault)	30	LF	\$220	\$6,600	\$800.00	\$24,000.00	\$725.00	\$21,750.00	\$240.00	\$7,200.00
13	12-Inch CML & TW Steel Pipe	25	LF	\$200	\$5,000	\$400.00	\$10,000.00	\$200.00	\$5,000.00	\$268.00	\$6,700.00
14	12-Inch CML & Epoxy Coated Steel Pipe (In Vault)	25	LF	\$200	\$5,000	\$600.00	\$15,000.00	\$350.00	\$8,750.00	\$268.00	\$6,700.00
15	Jack and Bore 36-inch Steel Casing	135	LF	\$2,000	\$270,000	\$770.00	\$103,950.00	\$800.00	\$108,000.00	\$1,330.00	\$179,550.00
16	30-inch Ductile Iron Butterfly Valve	8	EA	\$18,000	\$144,000	\$10,000.00	\$80,000.00	\$12,500.00	\$100,000.00	\$13,750.00	\$110,000.00
17	24-inch Ductile Iron Butterfly Valve	5	EA	\$1,400	\$7,000	\$7,000.00	\$35,000.00	\$8,500.00	\$42,500.00	\$8,700.00	\$43,500.00
18	18-inch Ductile Iron Butterfly Valve	1	EA	\$1,200	\$1,200	\$4,500.00	\$4,500.00	\$6,000.00	\$6,000.00	\$5,500.00	\$5,500.00
19	Connection to Existing Water Main	9	EA	\$27,000	\$243,000	\$10,000.00	\$90,000.00	\$4,000.00	\$36,000.00	\$12,500.00	\$112,500.00
20	Abandon in Place Existing Water Mains and	1	LS	\$5,000	\$5,000	\$9,000.00	\$9,000.00	\$15,000.00	\$15,000.00	\$7,000.00	\$7,000.00
21	2-inch Air and Vacuum Release Valve Assembly	13	EA	\$9,000	\$117,000	\$7,500.00	\$97,500.00	\$3,000.00	\$39,000.00	\$7,000.00	\$91,000.00
22	6-inch Fire Hydrant	11	EA	\$15,000	\$165,000	\$9,600.00	\$105,600.00	\$4,000.00	\$44,000.00	\$7,000.00	\$77,000.00
23	Anodes and Test Station	5	EA	\$6,000	\$30,000	\$2,700.00	\$13,500.00	\$2,000.00	\$10,000.00	\$4,600.00	\$23,000.00
24	Monitoring Test Station	3	EA	\$2,500	\$7,500	\$2,400.00	\$7,200.00	\$2,000.00	\$6,000.00	\$4,000.00	\$12,000.00
25	Insulating Joint Test Station	5	EA	\$2,500	\$12,500	\$4,200.00	\$21,000.00	\$1,500.00	\$7,500.00	\$5,540.00	\$27,700.00
26	Pressure Test, Disinfect and Flush New Water	1	LS	\$25,000	\$25,000	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$5,500.00	\$5,500.00
27	Pothole of 30-Inch Water Main	1	EA	\$21,000	\$21,000	\$25,000.00	\$25,000.00	\$1,000.00	\$1,000.00	\$1,650.00	\$1,650.00
28	6-inch Resilient Wedge Gate Valve	3	EA	\$2,600	\$7,800	\$1,600.00	\$4,800.00	\$1,500.00	\$4,500.00	\$1,400.00	\$4,200.00
29	8-inch Resilient Wedge Gate Valve	2	EA	\$3,200	\$6,400	\$2,000.00	\$4,000.00	\$1,800.00	\$3,600.00	\$2,000.00	\$4,000.00
30	12-inch Butterfly Valve	2	EA	\$5,300	\$10,600	\$2,500.00	\$5,000.00	\$2,400.00	\$4,800.00	\$2,850.00	\$5,700.00
31	16-inch Butterfly Valve	1	EA	\$6,200	\$6,200	\$3,900.00	\$3,900.00	\$4,000.00	\$4,000.00	\$4,900.00	\$4,900.00

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BID LOCATION: **City Clerk's Office - City Hall**

DATE: **10-Jan-13** TIME: **10:00 A.M.**
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				Engineer's Estimate		TE Roberts Inc.		Vido Artokovich & Son, Inc.		CCL Contracting Inc.	
	VAULT ITEMS										
32	Pre-Cast Concrete Vault (18'X10'X7' Deep)	1	EA	\$30,000	\$30,000	\$55,000.00	\$55,000.00	\$55,000.00	\$55,000.00	\$118,000.00	\$118,000.00
33	Miscellaneous Piping, Fittings, Couplings, and	1	LS	\$8,000	\$8,000	\$51,000.00	\$51,000.00	\$20,000.00	\$20,000.00	\$24,200.00	\$24,200.00
34	16-inch Pressure Regulating/Flow Control Valve	1	EA	\$41,000	\$41,000	\$45,000.00	\$45,000.00	\$30,000.00	\$30,000.00	\$32,600.00	\$32,600.00
35	16-inch Turbine Meter	1	EA	\$16,300	\$16,300	\$29,000.00	\$29,000.00	\$24,000.00	\$24,000.00	\$25,300.00	\$25,300.00
36	12-inch Turbine Meter	1	EA	\$13,100	\$13,100	\$23,000.00	\$23,000.00	\$20,000.00	\$20,000.00	\$20,570.00	\$20,570.00
37	16-inch Check Valve	1	EA	\$16,300	\$16,300	\$10,000.00	\$10,000.00	\$8,000.00	\$8,000.00	\$7,700.00	\$7,700.00
38	12-inch Check Valve	1	EA	\$14,000	\$14,000	\$6,000.00	\$6,000.00	\$5,000.00	\$5,000.00	\$4,200.00	\$4,200.00
39	16-inch Resilient Wedge Gate Valve	3	EA	\$10,960	\$32,880	\$11,000.00	\$33,000.00	\$9,000.00	\$27,000.00	\$8,000.00	\$24,000.00
40	12-inch Resilient Wedge Gate Valve	1	EA	\$6,790	\$6,790	\$5,000.00	\$5,000.00	\$3,500.00	\$3,500.00	\$3,300.00	\$3,300.00
41	16-inch Butterfly Valve with Handwheel	1	EA	\$6,200	\$6,200	\$5,000.00	\$5,000.00	\$4,500.00	\$4,500.00	\$4,600.00	\$4,600.00
42	12-inch Butterfly Valve with Handwheel	1	EA	\$5,300	\$5,300	\$3,900.00	\$3,900.00	\$3,000.00	\$3,000.00	\$2,800.00	\$2,800.00
43	Alternating Tread Stairs Inside Vault	1	EA	\$3,500	\$3,500	\$13,000.00	\$13,000.00	\$5,000.00	\$5,000.00	\$4,000.00	\$4,000.00
44	Vault Access Hatch (3'X6')	1	EA	\$4,000	\$4,000	\$6,400.00	\$6,400.00	\$5,000.00	\$5,000.00	\$3,700.00	\$3,700.00
45	Vault Access Hatch (4'X4')	1	EA	\$5,000	\$5,000	\$5,500.00	\$5,500.00	\$4,500.00	\$4,500.00	\$3,000.00	\$3,000.00
46	Vault Access Manhole (36" Diameter)	1	EA	\$5,000	\$5,000	\$5,400.00	\$5,400.00	\$1,500.00	\$1,500.00	\$800.00	\$800.00
47	Pressure Test, Disinfect and Flush Water Main	1	LS	\$500	\$500	\$1,400.00	\$1,400.00	\$2,500.00	\$2,500.00	\$7,500.00	\$7,500.00
48	Remove and Dispose of Existing Valve Vault on	1	LS	\$15,000	\$15,000	\$7,600.00	\$7,600.00	\$10,000.00	\$10,000.00	\$3,500.00	\$3,500.00
49	Repair Cross Gutter, Sidewalk, Curb and Gutter	1	LS	\$12,000	\$12,000	\$13,000.00	\$13,000.00	\$20,000.00	\$20,000.00	\$7,800.00	\$7,800.00
	SEWER ITEMS										
50	8-inch Extra Strength VCP Sewer Pipe	70	LF	\$235	\$16,450	\$90.00	\$6,300.00	\$150.00	\$10,500.00	\$190.00	\$13,300.00
51	6-inch Sewer Lateral	50	LF	\$220	\$11,000	\$110.00	\$5,500.00	\$125.00	\$6,250.00	\$144.00	\$7,200.00
52	48-inch Manhole	1	EA	\$5,400	\$5,400	\$5,400.00	\$5,400.00	\$4,000.00	\$4,000.00	\$6,200.00	\$6,200.00
53	Remove Existing Manhole Base, Frame, Rings,	1	LS	\$2,500	\$2,500	\$700.00	\$700.00	\$3,000.00	\$3,000.00	\$1,000.00	\$1,000.00
54	Abandon in Place Existing 8-inch VCP Sewer	1	LS	\$7	\$7	\$1,500.00	\$1,500.00	\$3,000.00	\$3,000.00	\$3,700.00	\$3,700.00
55	Remove Interfering Portions of Existing Sewer	1	LS	\$2,000	\$2,000	\$2,300.00	\$2,300.00	\$10,000.00	\$10,000.00	\$2,500.00	\$2,500.00
56	Rechannel Existing Manhole	1	LS	\$700	\$700	\$5,700.00	\$5,700.00	\$1,500.00	\$1,500.00	\$1,600.00	\$1,600.00
57	Sewage Flow Diversion	1	LS	\$1,500	\$1,500	\$10,000.00	\$10,000.00	\$4,000.00	\$4,000.00	\$2,700.00	\$2,700.00
	MISCELLANEOUS										
58	Reconstruct 16-Inch Water Main	1	LS	\$9,000	\$9,000	\$40,000.00	\$40,000.00	\$20,000.00	\$20,000.00	\$21,000.00	\$21,000.00
59	Reconstruct 6-Inch Water Main	1	LS	\$4,000	\$4,000	\$11,000.00	\$11,000.00	\$7,500.00	\$7,500.00	\$14,000.00	\$14,000.00
60	San Miguel Park Valve Relocation	1	LS	\$43,000	\$43,000	\$20,000.00	\$20,000.00	\$15,000.00	\$15,000.00	\$32,000.00	\$32,000.00
				EE	\$4,373,000.00	LOW	\$4,402,750.00	2ND	\$4,624,500.00	3RD	\$4,877,350.00

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				Engineer's Estimate		GRFCO, Inc.		Vido Sumarzych, Inc.		Trautwein Const.	
ITEM	DESCRIPTION	QUANTITY		UNIT	AMOUNT	UNIT	AMOUNT	UNIT	AMOUNT	UNIT	AMOUNT
1	Mobilization and Demobilization,	1	LS	\$212,373	\$212,373	\$70,000.00	\$70,000.00	\$80,000.00	\$80,000.00	\$268,200.00	\$268,200.00
2	Traffic Control	1	LS	\$128,000	\$128,000	\$25,000.00	\$25,000.00	\$15,000.00	\$15,000.00	\$50,000.00	\$50,000.00
3	Excavation Safety	1	LS	\$102,000	\$102,000	\$1,839,000.00	\$1,839,000.00	\$10,000.00	\$10,000.00	\$100,000.00	\$100,000.00
4	Replace Traffic Loops Damaged by Const.	40	EA	\$300	\$12,000	\$400.00	\$16,000.00	\$700.00	\$28,000.00	\$350.00	\$14,000.00
5	Traffic Striping	1	LS	\$25,000	\$25,000	\$25,000.00	\$25,000.00	\$15,000.00	\$15,000.00	\$35,000.00	\$35,000.00
6	Surveying Services	1	LS	\$15,000	\$15,000	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$17,000.00	\$17,000.00
7	Provide As-Built Plans	1	LS	\$10,000	\$10,000	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00
	PIPELINE ITEMS										
8	30-inch CML&TW Steel Pipe	5300	LF	\$300	\$1,590,000	\$250.00	\$1,325,000.00	\$460.00	\$2,438,000.00	\$502.00	\$2,660,600.00
9	24-inch CML&TW Steel Pipe	2610	LF	\$280	\$730,800	\$175.00	\$456,750.00	\$455.00	\$1,187,550.00	\$477.00	\$1,244,970.00
10	18-inch CML&TW Steel Pipe	60	LF	\$230	\$13,800	\$500.00	\$30,000.00	\$510.00	\$30,600.00	\$750.00	\$45,000.00
11	16-inch CML&TW Steel Pipe	490	LF	\$220	\$107,800	\$275.00	\$134,750.00	\$470.00	\$230,300.00	\$350.00	\$171,500.00
12	16-Inch CML & Epoxy Coated Steel Pipe (In Vault)	30	LF	\$220	\$6,600	\$500.00	\$15,000.00	\$1,000.00	\$30,000.00	\$800.00	\$24,000.00
13	12-Inch CML & TW Steel Pipe	25	LF	\$200	\$5,000	\$500.00	\$12,500.00	\$450.00	\$11,250.00	\$250.00	\$6,250.00
14	12-Inch CML & Epoxy Coated Steel Pipe (In Vault)	25	LF	\$200	\$5,000	\$500.00	\$12,500.00	\$500.00	\$12,500.00	\$500.00	\$12,500.00
15	Jack and Bore 36-inch Steel Casing	135	LF	\$2,000	\$270,000	\$800.00	\$108,000.00	\$1,200.00	\$162,000.00	\$800.00	\$108,000.00
16	30-inch Ductile Iron Butterfly Valve	8	EA	\$18,000	\$144,000	\$12,000.00	\$96,000.00	\$35,000.00	\$280,000.00	\$14,000.00	\$112,000.00
17	24-inch Ductile Iron Butterfly Valve	5	EA	\$1,400	\$7,000	\$8,000.00	\$40,000.00	\$11,000.00	\$55,000.00	\$7,500.00	\$37,500.00
18	18-inch Ductile Iron Butterfly Valve	1	EA	\$1,200	\$1,200	\$5,000.00	\$5,000.00	\$8,000.00	\$8,000.00	\$5,000.00	\$5,000.00
19	Connection to Existing Water Main	9	EA	\$27,000	\$243,000	\$12,000.00	\$108,000.00	\$9,000.00	\$81,000.00	\$7,000.00	\$63,000.00
20	Abandon in Place Existing Water Mains and	1	LS	\$5,000	\$5,000	\$5,000.00	\$5,000.00	\$15,000.00	\$15,000.00	\$50,000.00	\$50,000.00
21	2-inch Air and Vacuum Release Valve Assembly	13	EA	\$9,000	\$117,000	\$4,000.00	\$52,000.00	\$5,000.00	\$65,000.00	\$6,500.00	\$84,500.00
22	6-inch Fire Hydrant	11	EA	\$15,000	\$165,000	\$4,000.00	\$44,000.00	\$9,500.00	\$104,500.00	\$6,500.00	\$71,500.00
23	Anodes and Test Station	5	EA	\$6,000	\$30,000	\$2,000.00	\$10,000.00	\$3,000.00	\$15,000.00	\$2,000.00	\$10,000.00
24	Monitoring Test Station	3	EA	\$2,500	\$7,500	\$2,000.00	\$6,000.00	\$1,200.00	\$3,600.00	\$1,500.00	\$4,500.00
25	Insulating Joint Test Station	5	EA	\$2,500	\$12,500	\$2,000.00	\$10,000.00	\$2,000.00	\$10,000.00	\$1,500.00	\$7,500.00
26	Pressure Test, Disinfect and Flush New Water	1	LS	\$25,000	\$25,000	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$25,000.00	\$25,000.00
27	Pothole of 30-Inch Water Main	1	EA	\$21,000	\$21,000	\$3,000.00	\$3,000.00	\$1,500.00	\$1,500.00	\$2,900.00	\$2,900.00
28	6-inch Resilient Wedge Gate Valve	3	EA	\$2,600	\$7,800	\$3,000.00	\$9,000.00	\$3,000.00	\$9,000.00	\$1,300.00	\$3,900.00
29	8-inch Resilient Wedge Gate Valve	2	EA	\$3,200	\$6,400	\$4,000.00	\$8,000.00	\$5,000.00	\$10,000.00	\$1,600.00	\$3,200.00
30	12-inch Butterfly Valve	2	EA	\$5,300	\$10,600	\$5,000.00	\$10,000.00	\$7,000.00	\$14,000.00	\$2,400.00	\$4,800.00
31	16-inch Butterfly Valve	1	EA	\$6,200	\$6,200	\$6,000.00	\$6,000.00	\$11,000.00	\$11,000.00	\$4,000.00	\$4,000.00

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				Engineer's Estimate		GRFCO, Inc.		Vido Sumarzych, Inc.		Trautwein Const.	
	VAULT ITEMS										
32	Pre-Cast Concrete Vault (18'X10'X7' Deep)	1	EA	\$30,000	\$30,000	\$75,000.00	\$75,000.00	\$100,000.00	\$100,000.00	\$35,000.00	\$35,000.00
33	Miscellaneous Piping, Fittings, Couplings, and	1	LS	\$8,000	\$8,000	\$30,000.00	\$30,000.00	\$20,000.00	\$20,000.00	\$25,000.00	\$25,000.00
34	16-inch Pressure Regulating/Flow Control Valve	1	EA	\$41,000	\$41,000	\$30,000.00	\$30,000.00	\$45,000.00	\$45,000.00	\$33,000.00	\$33,000.00
35	16-inch Turbine Meter	1	EA	\$16,300	\$16,300	\$25,000.00	\$25,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00
36	12-inch Turbine Meter	1	EA	\$13,100	\$13,100	\$20,000.00	\$20,000.00	\$27,000.00	\$27,000.00	\$23,000.00	\$23,000.00
37	16-inch Check Valve	1	EA	\$16,300	\$16,300	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$8,000.00	\$8,000.00
38	12-inch Check Valve	1	EA	\$14,000	\$14,000	\$8,000.00	\$8,000.00	\$6,000.00	\$6,000.00	\$5,000.00	\$5,000.00
39	16-inch Resilient Wedge Gate Valve	3	EA	\$10,960	\$32,880	\$10,000.00	\$30,000.00	\$10,000.00	\$30,000.00	\$9,000.00	\$27,000.00
40	12-inch Resilient Wedge Gate Valve	1	EA	\$6,790	\$6,790	\$8,000.00	\$8,000.00	\$5,000.00	\$5,000.00	\$3,000.00	\$3,000.00
41	16-inch Butterfly Valve with Handwheel	1	EA	\$6,200	\$6,200	\$7,000.00	\$7,000.00	\$7,000.00	\$7,000.00	\$4,000.00	\$4,000.00
42	12-inch Butterfly Valve with Handwheel	1	EA	\$5,300	\$5,300	\$6,000.00	\$6,000.00	\$4,000.00	\$4,000.00	\$2,300.00	\$2,300.00
43	Alternating Tread Stairs Inside Vault	1	EA	\$3,500	\$3,500	\$5,000.00	\$5,000.00	\$7,000.00	\$7,000.00	\$5,000.00	\$5,000.00
44	Vault Access Hatch (3'X6')	1	EA	\$4,000	\$4,000	\$5,000.00	\$5,000.00	\$3,000.00	\$3,000.00	\$5,000.00	\$5,000.00
45	Vault Access Hatch (4'X4')	1	EA	\$5,000	\$5,000	\$6,000.00	\$6,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00
46	Vault Access Manhole (36" Diameter)	1	EA	\$5,000	\$5,000	\$4,000.00	\$4,000.00	\$5,000.00	\$5,000.00	\$2,000.00	\$2,000.00
47	Pressure Test, Disinfect and Flush Water Main	1	LS	\$500	\$500	\$10,000.00	\$10,000.00	\$5,000.00	\$5,000.00	\$1,000.00	\$1,000.00
48	Remove and Dispose of Existing Valve Vault on	1	LS	\$15,000	\$15,000	\$15,000.00	\$15,000.00	\$10,000.00	\$10,000.00	\$6,000.00	\$6,000.00
49	Repair Cross Gutter, Sidewalk, Curb and Gutter	1	LS	\$12,000	\$12,000	\$10,000.00	\$10,000.00	\$5,000.00	\$5,000.00	\$12,000.00	\$12,000.00
	SEWER ITEMS										
50	8-inch Extra Strength VCP Sewer Pipe	70	LF	\$235	\$16,450	\$200.00	\$14,000.00	\$200.00	\$14,000.00	\$300.00	\$21,000.00
51	6-inch Sewer Lateral	50	LF	\$220	\$11,000	\$150.00	\$7,500.00	\$100.00	\$5,000.00	\$200.00	\$10,000.00
52	48-inch Manhole	1	EA	\$5,400	\$5,400	\$6,000.00	\$6,000.00	\$5,000.00	\$5,000.00	\$6,000.00	\$6,000.00
53	Remove Existing Manhole Base, Frame, Rings,	1	LS	\$2,500	\$2,500	\$1,000.00	\$1,000.00	\$3,000.00	\$3,000.00	\$2,500.00	\$2,500.00
54	Abandon in Place Existing 8-inch VCP Sewer	1	LS	\$7	\$7	\$2,000.00	\$2,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00
55	Remove Interfering Portions of Existing Sewer	1	LS	\$2,000	\$2,000	\$1,000.00	\$1,000.00	\$4,000.00	\$4,000.00	\$2,500.00	\$2,500.00
56	Rechannel Existing Manhole	1	LS	\$700	\$700	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,500.00	\$2,500.00
57	Sewage Flow Diversion	1	LS	\$1,500	\$1,500	\$5,000.00	\$5,000.00	\$7,000.00	\$7,000.00	\$5,000.00	\$5,000.00
	MISCELLANEOUS										
58	Reconstruct 16-Inch Water Main	1	LS	\$9,000	\$9,000	\$45,000.00	\$45,000.00	\$30,000.00	\$30,000.00	\$26,000.00	\$26,000.00
59	Reconstruct 6-Inch Water Main	1	LS	\$4,000	\$4,000	\$4,000.00	\$4,000.00	\$15,000.00	\$15,000.00	\$9,000.00	\$9,000.00
60	San Miguel Park Valve Relocation	1	LS	\$43,000	\$43,000	\$20,000.00	\$20,000.00	\$38,000.00	\$38,000.00	\$25,000.00	\$25,000.00
				EE	\$4,373,000.00	4TH	\$4,938,000.00	5TH	\$5,428,800.00	6TH	\$5,601,120.00

CITY OF NEWPORT BEACH PUBLIC WORKS DEPARTMENT

TITLE: **Corona Del Mar Transmission Pipeline Improvements**

CONTRACT NO.: **4603**
ENGINEER'S ESTIMATE: **\$4,373,000.00**
PROJECT MANAGER: **Patrick Arciniega**

BID LOCATION: **City Clerk's Office - City Hall**

DATE: **10-Jan-13** TIME: **10:00 A.M.**
BY: **Patrick A.** CHECKED: **Patrick A.** DATE: **10-Jan-13**

				Engineer's Estimate		Mike Bubalo Const.		W.A. Rasic Const.		Paulus Engineering	
ITEM	DESCRIPTION	QUANTITY		UNIT	AMOUNT	UNIT	AMOUNT	UNIT	AMOUNT	UNIT	AMOUNT
1	Mobilization and Demobilization,	1	LS	\$212,373	\$212,373	\$520,000.00	\$520,000.00	\$275,000.00	\$275,000.00	\$150,000.00	\$150,000.00
2	Traffic Control	1	LS	\$128,000	\$128,000	\$75,000.00	\$75,000.00	\$300,000.00	\$300,000.00	\$60,000.00	\$60,000.00
3	Excavation Safety	1	LS	\$102,000	\$102,000	\$100,000.00	\$100,000.00	\$120,000.00	\$120,000.00	\$10,000.00	\$10,000.00
4	Replace Traffic Loops Damaged by Const.	40	EA	\$300	\$12,000	\$500.00	\$20,000.00	\$500.00	\$20,000.00	\$300.00	\$12,000.00
5	Traffic Striping	1	LS	\$25,000	\$25,000	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$27,000.00	\$27,000.00
6	Surveying Services	1	LS	\$15,000	\$15,000	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$10,000.00	\$10,000.00
7	Provide As-Built Plans	1	LS	\$10,000	\$10,000	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00
	PIPELINE ITEMS										
8	30-inch CML&TW Steel Pipe	5300	LF	\$300	\$1,590,000	\$400.00	\$2,120,000.00	\$455.00	\$2,411,500.00	\$580.00	\$3,074,000.00
9	24-inch CML&TW Steel Pipe	2610	LF	\$280	\$730,800	\$320.00	\$835,200.00	\$399.00	\$1,041,390.00	\$578.00	\$1,508,580.00
10	18-inch CML&TW Steel Pipe	60	LF	\$230	\$13,800	\$1,000.00	\$60,000.00	\$1,000.00	\$60,000.00	\$450.00	\$27,000.00
11	16-inch CML&TW Steel Pipe	490	LF	\$220	\$107,800	\$900.00	\$441,000.00	\$500.00	\$245,000.00	\$419.00	\$205,310.00
12	16-Inch CML & Epoxy Coated Steel Pipe (In Vault)	30	LF	\$220	\$6,600	\$2,000.00	\$60,000.00	\$2,000.00	\$60,000.00	\$786.00	\$23,580.00
13	12-Inch CML & TW Steel Pipe	25	LF	\$200	\$5,000	\$1,000.00	\$25,000.00	\$300.00	\$7,500.00	\$246.00	\$6,150.00
14	12-Inch CML & Epoxy Coated Steel Pipe (In Vault)	25	LF	\$200	\$5,000	\$2,000.00	\$50,000.00	\$1,000.00	\$25,000.00	\$435.00	\$10,875.00
15	Jack and Bore 36-inch Steel Casing	135	LF	\$2,000	\$270,000	\$1,000.00	\$135,000.00	\$1,500.00	\$202,500.00	\$1,700.00	\$229,500.00
16	30-inch Ductile Iron Butterfly Valve	8	EA	\$18,000	\$144,000	\$25,000.00	\$200,000.00	\$15,000.00	\$120,000.00	\$15,600.00	\$124,800.00
17	24-inch Ductile Iron Butterfly Valve	5	EA	\$1,400	\$7,000	\$20,000.00	\$100,000.00	\$10,000.00	\$50,000.00	\$10,500.00	\$52,500.00
18	18-inch Ductile Iron Butterfly Valve	1	EA	\$1,200	\$1,200	\$15,000.00	\$15,000.00	\$6,000.00	\$6,000.00	\$7,500.00	\$7,500.00
19	Connection to Existing Water Main	9	EA	\$27,000	\$243,000	\$10,000.00	\$90,000.00	\$20,000.00	\$180,000.00	\$5,400.00	\$48,600.00
20	Abandon in Place Existing Water Mains and	1	LS	\$5,000	\$5,000	\$10,000.00	\$10,000.00	\$25,000.00	\$25,000.00	\$31,000.00	\$31,000.00
21	2-inch Air and Vacuum Release Valve Assembly	13	EA	\$9,000	\$117,000	\$6,000.00	\$78,000.00	\$8,000.00	\$104,000.00	\$5,700.00	\$74,100.00
22	6-inch Fire Hydrant	11	EA	\$15,000	\$165,000	\$10,000.00	\$110,000.00	\$12,000.00	\$132,000.00	\$5,400.00	\$59,400.00
23	Anodes and Test Station	5	EA	\$6,000	\$30,000	\$10,000.00	\$50,000.00	\$3,000.00	\$15,000.00	\$2,300.00	\$11,500.00
24	Monitoring Test Station	3	EA	\$2,500	\$7,500	\$8,000.00	\$24,000.00	\$3,000.00	\$9,000.00	\$1,000.00	\$3,000.00
25	Insulating Joint Test Station	5	EA	\$2,500	\$12,500	\$7,000.00	\$35,000.00	\$3,000.00	\$15,000.00	\$2,400.00	\$12,000.00
26	Pressure Test, Disinfect and Flush New Water	1	LS	\$25,000	\$25,000	\$50,000.00	\$50,000.00	\$70,000.00	\$70,000.00	\$15,000.00	\$15,000.00
27	Pothole of 30-Inch Water Main	1	EA	\$21,000	\$21,000	\$5,000.00	\$5,000.00	\$2,000.00	\$2,000.00	\$7,000.00	\$7,000.00
28	6-inch Resilient Wedge Gate Valve	3	EA	\$2,600	\$7,800	\$5,000.00	\$15,000.00	\$2,000.00	\$6,000.00	\$1,800.00	\$5,400.00
29	8-inch Resilient Wedge Gate Valve	2	EA	\$3,200	\$6,400	\$6,000.00	\$12,000.00	\$3,000.00	\$6,000.00	\$2,400.00	\$4,800.00
30	12-inch Butterfly Valve	2	EA	\$5,300	\$10,600	\$7,000.00	\$14,000.00	\$3,500.00	\$7,000.00	\$3,100.00	\$6,200.00
31	16-inch Butterfly Valve	1	EA	\$6,200	\$6,200	\$9,000.00	\$9,000.00	\$5,000.00	\$5,000.00	\$5,900.00	\$5,900.00

CITY OF NEWPORT BEACH PUBLIC WORKS DEPARTMENT

TITLE: **Corona Del Mar Transmission Pipeline Improvements**

CONTRACT NO.: **4603**
ENGINEER'S ESTIMATE: **\$4,373,000.00**
PROJECT MANAGER: **Patrick Arciniega**

BID LOCATION: City Clerk's Office - City Hall

DATE: 10-Jan-13 TIME: 10:00 A.M.
BY: Patrick A. CHECKED: Patrick A. DATE: 10-Jan-13

				Engineer's Estimate		Mike Bubalo Const.		W.A. Rasic Const.		Paulus Engineering	
	VAULT ITEMS										
32	Pre-Cast Concrete Vault (18'X10'X7' Deep)	1	EA	\$30,000	\$30,000	\$125,000.00	\$125,000.00	\$50,000.00	\$50,000.00	\$67,000.00	\$67,000.00
33	Miscellaneous Piping, Fittings, Couplings, and	1	LS	\$8,000	\$8,000	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00	\$14,000.00	\$14,000.00
34	16-inch Pressure Regulating/Flow Control Valve	1	EA	\$41,000	\$41,000	\$35,000.00	\$35,000.00	\$30,000.00	\$30,000.00	\$34,000.00	\$34,000.00
35	16-inch Turbine Meter	1	EA	\$16,300	\$16,300	\$30,000.00	\$30,000.00	\$25,000.00	\$25,000.00	\$26,000.00	\$26,000.00
36	12-inch Turbine Meter	1	EA	\$13,100	\$13,100	\$25,000.00	\$25,000.00	\$20,000.00	\$20,000.00	\$21,000.00	\$21,000.00
37	16-inch Check Valve	1	EA	\$16,300	\$16,300	\$8,000.00	\$8,000.00	\$7,000.00	\$7,000.00	\$8,000.00	\$8,000.00
38	12-inch Check Valve	1	EA	\$14,000	\$14,000	\$6,000.00	\$6,000.00	\$3,500.00	\$3,500.00	\$5,000.00	\$5,000.00
39	16-inch Resilient Wedge Gate Valve	3	EA	\$10,960	\$32,880	\$9,000.00	\$27,000.00	\$9,000.00	\$27,000.00	\$8,100.00	\$24,300.00
40	12-inch Resilient Wedge Gate Valve	1	EA	\$6,790	\$6,790	\$6,000.00	\$6,000.00	\$3,000.00	\$3,000.00	\$3,500.00	\$3,500.00
41	16-inch Butterfly Valve with Handwheel	1	EA	\$6,200	\$6,200	\$5,000.00	\$5,000.00	\$3,500.00	\$3,500.00	\$5,000.00	\$5,000.00
42	12-inch Butterfly Valve with Handwheel	1	EA	\$5,300	\$5,300	\$3,000.00	\$3,000.00	\$2,000.00	\$2,000.00	\$3,000.00	\$3,000.00
43	Alternating Tread Stairs Inside Vault	1	EA	\$3,500	\$3,500	\$2,000.00	\$2,000.00	\$5,000.00	\$5,000.00	\$5,500.00	\$5,500.00
44	Vault Access Hatch (3'X6')	1	EA	\$4,000	\$4,000	\$2,000.00	\$2,000.00	\$5,000.00	\$5,000.00	\$5,700.00	\$5,700.00
45	Vault Access Hatch (4'X4')	1	EA	\$5,000	\$5,000	\$2,000.00	\$2,000.00	\$5,000.00	\$5,000.00	\$4,900.00	\$4,900.00
46	Vault Access Manhole (36" Diameter)	1	EA	\$5,000	\$5,000	\$2,000.00	\$2,000.00	\$1,000.00	\$1,000.00	\$2,700.00	\$2,700.00
47	Pressure Test, Disinfect and Flush Water Main	1	LS	\$500	\$500	\$5,000.00	\$5,000.00	\$10,000.00	\$10,000.00	\$5,100.00	\$5,100.00
48	Remove and Dispose of Existing Valve Vault on	1	LS	\$15,000	\$15,000	\$7,000.00	\$7,000.00	\$15,000.00	\$15,000.00	\$23,000.00	\$23,000.00
49	Repair Cross Gutter, Sidewalk, Curb and Gutter	1	LS	\$12,000	\$12,000	\$10,000.00	\$10,000.00	\$25,000.00	\$25,000.00	\$10,000.00	\$10,000.00
	SEWER ITEMS										
50	8-inch Extra Strength VCP Sewer Pipe	70	LF	\$235	\$16,450	\$250.00	\$17,500.00	\$300.00	\$21,000.00	\$177.00	\$12,390.00
51	6-inch Sewer Lateral	50	LF	\$220	\$11,000	\$300.00	\$15,000.00	\$500.00	\$25,000.00	\$175.00	\$8,750.00
52	48-inch Manhole	1	EA	\$5,400	\$5,400	\$8,000.00	\$8,000.00	\$4,000.00	\$4,000.00	\$6,800.00	\$6,800.00
53	Remove Existing Manhole Base, Frame, Rings,	1	LS	\$2,500	\$2,500	\$3,000.00	\$3,000.00	\$2,000.00	\$2,000.00	\$1,400.00	\$1,400.00
54	Abandon in Place Existing 8-inch VCP Sewer	1	LS	\$7	\$7	\$3,000.00	\$3,000.00	\$2,000.00	\$2,000.00	\$4,000.00	\$4,000.00
55	Remove Interfering Portions of Existing Sewer	1	LS	\$2,000	\$2,000	\$3,000.00	\$3,000.00	\$5,000.00	\$5,000.00	\$1,500.00	\$1,500.00
56	Rechannel Existing Manhole	1	LS	\$700	\$700	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00
57	Sewage Flow Diversion	1	LS	\$1,500	\$1,500	\$4,000.00	\$4,000.00	\$5,000.00	\$5,000.00	\$2,800.00	\$2,800.00
	MISCELLANEOUS										
58	Reconstruct 16-Inch Water Main	1	LS	\$9,000	\$9,000	\$20,000.00	\$20,000.00	\$35,000.00	\$35,000.00	\$34,000.00	\$34,000.00
59	Reconstruct 6-Inch Water Main	1	LS	\$4,000	\$4,000	\$10,000.00	\$10,000.00	\$7,500.00	\$7,500.00	\$12,000.00	\$12,000.00
60	San Miguel Park Valve Relocation	1	LS	\$43,000	\$43,000	\$20,000.00	\$20,000.00	\$50,000.00	\$50,000.00	\$18,000.00	\$18,000.00
				EE	\$4,373,000.00	7TH	\$5,737,700.00	8TH	\$5,989,890.00	9TH	\$6,203,535.00

CITY OF NEWPORT BEACH PUBLIC WORKS DEPARTMENT

TITLE: **Corona Del Mar Transmission Pipeline Improvements**

CONTRACT NO.: **4603**
ENGINEER'S ESTIMATE: **\$4,373,000.00**
PROJECT MANAGER: **Patrick Arciniega**

BID LOCATION: City Clerk's Office - City Hall

DATE: 10-Jan-13 TIME: 10:00 A.M.
BY: Patrick A. CHECKED: Patrick A. DATE: 10-Jan-13

				Engineer's Estimate		Minako America Corp.		Kana Pipeline, Inc.	
ITEM	DESCRIPTION	QUANTITY		UNIT	AMOUNT	UNIT	AMOUNT	UNIT	AMOUNT
1	Mobilization and Demobilization,	1	LS	\$212,373	\$212,373	\$250,000.00	\$250,000.00	\$340,000.00	\$340,000.00
2	Traffic Control	1	LS	\$128,000	\$128,000	\$150,000.00	\$150,000.00	\$221,000.00	\$221,000.00
3	Excavation Safety	1	LS	\$102,000	\$102,000	\$50,000.00	\$50,000.00	\$45,000.00	\$45,000.00
4	Replace Traffic Loops Damaged by Const.	40	EA	\$300	\$12,000	\$400.00	\$16,000.00	\$320.00	\$12,800.00
5	Traffic Striping	1	LS	\$25,000	\$25,000	\$30,000.00	\$30,000.00	\$28,000.00	\$28,000.00
6	Surveying Services	1	LS	\$15,000	\$15,000	\$20,000.00	\$20,000.00	\$11,000.00	\$11,000.00
7	Provide As-Built Plans	1	LS	\$10,000	\$10,000	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00
	PIPELINE ITEMS								
8	30-inch CML&TW Steel Pipe	5300	LF	\$300	\$1,590,000	\$600.00	\$3,180,000.00	\$593.00	\$3,142,900.00
9	24-inch CML&TW Steel Pipe	2610	LF	\$280	\$730,800	\$400.00	\$1,044,000.00	\$590.00	\$1,539,900.00
10	18-inch CML&TW Steel Pipe	60	LF	\$230	\$13,800	\$1,000.00	\$60,000.00	\$1,100.00	\$66,000.00
11	16-inch CML&TW Steel Pipe	490	LF	\$220	\$107,800	\$700.00	\$343,000.00	\$850.00	\$416,500.00
12	16-Inch CML & Epoxy Coated Steel Pipe (In Vault)	30	LF	\$220	\$6,600	\$3,000.00	\$90,000.00	\$660.00	\$19,800.00
13	12-Inch CML & TW Steel Pipe	25	LF	\$200	\$5,000	\$2,000.00	\$50,000.00	\$860.00	\$21,500.00
14	12-Inch CML & Epoxy Coated Steel Pipe (In Vault)	25	LF	\$200	\$5,000	\$3,000.00	\$75,000.00	\$500.00	\$12,500.00
15	Jack and Bore 36-inch Steel Casing	135	LF	\$2,000	\$270,000	\$1,000.00	\$135,000.00	\$900.00	\$121,500.00
16	30-inch Ductile Iron Butterfly Valve	8	EA	\$18,000	\$144,000	\$10,000.00	\$80,000.00	\$12,000.00	\$96,000.00
17	24-inch Ductile Iron Butterfly Valve	5	EA	\$1,400	\$7,000	\$10,000.00	\$50,000.00	\$8,500.00	\$42,500.00
18	18-inch Ductile Iron Butterfly Valve	1	EA	\$1,200	\$1,200	\$7,000.00	\$7,000.00	\$6,000.00	\$6,000.00
19	Connection to Existing Water Main	9	EA	\$27,000	\$243,000	\$2,000.00	\$18,000.00	\$14,000.00	\$126,000.00
20	Abandon in Place Existing Water Mains and	1	LS	\$5,000	\$5,000	\$30,000.00	\$30,000.00	\$156,000.00	\$156,000.00
21	2-inch Air and Vacuum Release Valve Assembly	13	EA	\$9,000	\$117,000	\$3,000.00	\$39,000.00	\$10,000.00	\$130,000.00
22	6-inch Fire Hydrant	11	EA	\$15,000	\$165,000	\$7,000.00	\$77,000.00	\$12,000.00	\$132,000.00
23	Anodes and Test Station	5	EA	\$6,000	\$30,000	\$2,000.00	\$10,000.00	\$7,500.00	\$37,500.00
24	Monitoring Test Station	3	EA	\$2,500	\$7,500	\$1,500.00	\$4,500.00	\$6,000.00	\$18,000.00
25	Insulating Joint Test Station	5	EA	\$2,500	\$12,500	\$1,000.00	\$5,000.00	\$9,000.00	\$45,000.00
26	Pressure Test, Disinfect and Flush New Water	1	LS	\$25,000	\$25,000	\$70,000.00	\$70,000.00	\$76,000.00	\$76,000.00
27	Pothole of 30-Inch Water Main	1	EA	\$21,000	\$21,000	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00
28	6-inch Resilient Wedge Gate Valve	3	EA	\$2,600	\$7,800	\$3,000.00	\$9,000.00	\$2,800.00	\$8,400.00
29	8-inch Resilient Wedge Gate Valve	2	EA	\$3,200	\$6,400	\$4,000.00	\$8,000.00	\$3,200.00	\$6,400.00
30	12-inch Butterfly Valve	2	EA	\$5,300	\$10,600	\$5,000.00	\$10,000.00	\$3,500.00	\$7,000.00
31	16-inch Butterfly Valve	1	EA	\$6,200	\$6,200	\$7,000.00	\$7,000.00	\$5,000.00	\$5,000.00

CITY OF NEWPORT BEACH PUBLIC WORKS DEPARTMENT

TITLE: **Corona Del Mar Transmission Pipeline Improvements**

CONTRACT NO.: **4603**
ENGINEER'S ESTIMATE: **\$4,373,000.00**
PROJECT MANAGER: **Patrick Arciniega**

BID LOCATION: City Clerk's Office - City Hall

DATE: 10-Jan-13 TIME: 10:00 A.M.
BY: Patrick A. CHECKED: Patrick A. DATE: 10-Jan-13

				Engineer's Estimate		Minako America Corp.		Kana Pipeline, Inc.	
	VAULT ITEMS								
32	Pre-Cast Concrete Vault (18'X10'X7' Deep)	1	EA	\$30,000	\$30,000	\$70,000.00	\$70,000.00	\$52,000.00	\$52,000.00
33	Miscellaneous Piping, Fittings, Couplings, and	1	LS	\$8,000	\$8,000	\$27,000.00	\$27,000.00	\$20,000.00	\$20,000.00
34	16-inch Pressure Regulating/Flow Control Valve	1	EA	\$41,000	\$41,000	\$107,000.00	\$107,000.00	\$60,000.00	\$60,000.00
35	16-inch Turbine Meter	1	EA	\$16,300	\$16,300	\$40,000.00	\$40,000.00	\$26,000.00	\$26,000.00
36	12-inch Turbine Meter	1	EA	\$13,100	\$13,100	\$30,000.00	\$30,000.00	\$21,000.00	\$21,000.00
37	16-inch Check Valve	1	EA	\$16,300	\$16,300	\$13,000.00	\$13,000.00	\$8,500.00	\$8,500.00
38	12-inch Check Valve	1	EA	\$14,000	\$14,000	\$7,000.00	\$7,000.00	\$4,500.00	\$4,500.00
39	16-inch Resilient Wedge Gate Valve	3	EA	\$10,960	\$32,880	\$20,000.00	\$60,000.00	\$9,800.00	\$29,400.00
40	12-inch Resilient Wedge Gate Valve	1	EA	\$6,790	\$6,790	\$13,000.00	\$13,000.00	\$3,600.00	\$3,600.00
41	16-inch Butterfly Valve with Handwheel	1	EA	\$6,200	\$6,200	\$10,000.00	\$10,000.00	\$4,000.00	\$4,000.00
42	12-inch Butterfly Valve with Handwheel	1	EA	\$5,300	\$5,300	\$7,000.00	\$7,000.00	\$2,500.00	\$2,500.00
43	Alternating Tread Stairs Inside Vault	1	EA	\$3,500	\$3,500	\$3,000.00	\$3,000.00	\$4,300.00	\$4,300.00
44	Vault Access Hatch (3'X6')	1	EA	\$4,000	\$4,000	\$13,000.00	\$13,000.00	\$4,000.00	\$4,000.00
45	Vault Access Hatch (4'X4')	1	EA	\$5,000	\$5,000	\$13,000.00	\$13,000.00	\$3,500.00	\$3,500.00
46	Vault Access Manhole (36" Diameter)	1	EA	\$5,000	\$5,000	\$7,000.00	\$7,000.00	\$2,000.00	\$2,000.00
47	Pressure Test, Disinfect and Flush Water Main	1	LS	\$500	\$500	\$5,000.00	\$5,000.00	\$7,000.00	\$7,000.00
48	Remove and Dispose of Existing Valve Vault on	1	LS	\$15,000	\$15,000	\$20,000.00	\$20,000.00	\$9,000.00	\$9,000.00
49	Repair Cross Gutter, Sidewalk, Curb and Gutter	1	LS	\$12,000	\$12,000	\$10,000.00	\$10,000.00	\$65,000.00	\$65,000.00
	SEWER ITEMS								
50	8-inch Extra Strength VCP Sewer Pipe	70	LF	\$235	\$16,450	\$300.00	\$21,000.00	\$330.00	\$23,100.00
51	6-inch Sewer Lateral	50	LF	\$220	\$11,000	\$300.00	\$15,000.00	\$400.00	\$20,000.00
52	48-inch Manhole	1	EA	\$5,400	\$5,400	\$20,000.00	\$20,000.00	\$6,000.00	\$6,000.00
53	Remove Existing Manhole Base, Frame, Rings,	1	LS	\$2,500	\$2,500	\$10,000.00	\$10,000.00	\$3,000.00	\$3,000.00
54	Abandon in Place Existing 8-inch VCP Sewer	1	LS	\$7	\$7	\$10,000.00	\$10,000.00	\$11,000.00	\$11,000.00
55	Remove Interfering Portions of Existing Sewer	1	LS	\$2,000	\$2,000	\$50,000.00	\$50,000.00	\$4,000.00	\$4,000.00
56	Rechannel Existing Manhole	1	LS	\$700	\$700	\$17,000.00	\$17,000.00	\$5,000.00	\$5,000.00
57	Sewage Flow Diversion	1	LS	\$1,500	\$1,500	\$100,000.00	\$100,000.00	\$17,000.00	\$17,000.00
	MISCELLANEOUS								
58	Reconstruct 16-Inch Water Main	1	LS	\$9,000	\$9,000	\$30,000.00	\$30,000.00	\$49,000.00	\$49,000.00
59	Reconstruct 6-Inch Water Main	1	LS	\$4,000	\$4,000	\$10,000.00	\$10,000.00	\$34,000.00	\$34,000.00
60	San Miguel Park Valve Relocation	1	LS	\$43,000	\$43,000	\$5,000.00	\$5,000.00	\$62,000.00	\$62,000.00
				EE	\$4,373,000.00	10TH	\$6,672,500.00	11TH	\$7,462,600.00
						AS-BID	\$6,679,500.00		